# MINING CONGRESS JOURNAL

# Index to Volume 42 January to December, 1956

Published by THE AMERICAN MINING CONGRESS 1102 Ring Bldg., Washington 6, D. C.

Month Page ee Young Feb. 92

Published by							
TH	E AMERICAN MINING CONGI	RE	SS			1955 Feb.	
					unica	Oct.	
110	02 Ring Bldg., Washington 6,	υ.	<b>.</b>		) Mii	May	42
					1		77
A	C			ř		Dec. Re-	54
New Look at United States Borax & Chem-	Cables Fail, Why Trailing, by Steve	ge	Month Pa Company Viewpoint—Company Mining Versus	ge	ntini	uous	
al Corp., by Horace M. Albright Sept. 54 ME New York Meeting	BunishJune Carlsbad Potash Basin Activities, by Earl H.	61	Contractor Operation, The, by Everett L. Joppa	58	f Ai		
Conditioned Mine		56	Continuous Mining, Five Years of, by Robert I. Billings	53		lug.	
tiver District and, by Earl B. Gil- inders	O'Leary	29	Continuous Mining, Power for, by J. O. Cree	49			
uminum Industry Turns to Coal, The, by	A Look at Coal's Future, by Raymond E.	41	Contractor's Viewpoint - Company Mining				
arthur F. JohnsonJune 84 minum Outlook, by Walter L. RiceFeb. 68 minum Reduction Plant, Coal Plays Vital		60	Versus Contractor Operation, The, by Joseph W. Wells	59	Rob	ert-	
art in Location of	den and John G. Donan July Belt Fire Protection, by J. L. Thornton, J. H. Nash and S. P. Polack Sept.	52	by Earl C. HerkenhoffJan.	26 82	later	rials	7.0
innual Business MeetingJan. 54	J. H. Nash and S. P. Polack Sept. Bituminous Coal in 1955, by George A.	99	Cost Control, Industrial Engineering and, by	50	1	July Feb.	98
Coal Convention (1956)— 1956 Coal Convention ReportJune 68	LambFeb.	48	Crestmore, New Underground Mining at, by	33		July	
1956 Coal Convention	Buckheart Preparation Plant, The, by Andrew J. Gaber	45	Cyclone Classification and Thickening at			July	52
1956 Coal Convention May 7-9Feb. 148	Aluminum Reduction PlantJan.	36	Cyclone Classifiers at Morenci, by J. E. Papin	50	wer	for Oct.	49
Outline of Convention Sessions Jan. 57 Coal Convention & Exposition (1957)—	Coal Preparation, by A. P. Massmann . Feb. Coal Research, by Harlan W. Nelson Feb. 1	98 107	Cyclone Systems, Control of Cyclones and, by	61	n A	Feb.	82
1957 Coal Show	Continuous Mining in Low Coal, by E. H. Roberts and G. W. LockinDec.	30	Earl C. HerkenhoffJan.	26		une	56
Mineral Content, a Factor in Weathering of Mine Roof, by Charles T. Hol-	Continuous Mining in Medium Height Coal, by Frank Williams, Jr Apr.	66	D		A	ug.	67
landJan. 49	Corbin, Ky., Cleaning Plant, The, by Paul L. Richards and Andrew E. Ham-		ь		7, N	May	
Roof Bolting Procedures, by R. J. Fletcher, E. M. Pace and Orval Rob-	let	95	Deep Ruth, Water Handling and Control at the, by John C. Kinnear, JrMay	32	0, I	117, Dec.	72
son	Irving Hartmann and James West-	41	Diamond and Sheet-Mica Industries, The, by W. F. Dietrich, W. H. Waggaman and	-	grou	und lov.	42
by G. P. Mahood, J. B. Dempsey, A. K. Robertson, J. H. Sanford and E. M.	Face Transportation for Mechanical Load-		H. P. Chandler Sept. DRILLING—	111	A	ug.	64
Thomas	ing, by Stephen KrickovicMar. Five Years of Continuous Mining, by Rob-	52	Air Leg Drifting at Kerr-Addison, by J. R.	E0.	Ha	aul-	
Dunn and C. O. WoodSept. 105	ert I. BillingsJune Frame Grounding Protection, by George W.	53	RamsellJune Drilling and Blasting at The Bell Mine,	10	N	May	59
Washery Water Clarification Dec. 67 Western Division—	Sall	45	by H. A. Corre Jan. Rotary Drilling Development at White Pine,	18			
Declaration of Policy         Nov. 97           1956 Mining Show         Apr. 115	John H. Gooch	50	by Richard F. Moe Aug. Standardization of Measurements in Under-	67			
It's a DateJune 103	Ralph B. Dean	50	ground Drilling, by R. M. Stewart . Dec. Use of Airleg for Long-Hole Prospecting	40	S.	P.	99
Los Angeles Bound	by Herbert E. Jones. Jr May Joanne Coal Preparation Plant, by Clinton	37	at Bunker Hill and Crescent Mines, by E. B. Olds and D. C. LongAug.	48	F	eb.	107
Los Angeles Mining Show March 70 Los Angeles Mining Show Report Aug. 98	C. CorneliusOct. Kenilworth Saga, The, by Glenn F. Jack-	38			165	for	
Outstanding Program for Los An-	son	45	E		J	uly	48
Report on AMC Mining Show Nov. 93	version Equipment, by B. R. Wal-	57	EDITORIALS-				
Unusual Roof Bolt, by R. B. Choate .July 69 atomation of Mine Haulage, by W. R.	Mechanical Coal Mining, by Ralph E.		Abdication	23			
Morton	Kirk Feb. Mine Lighting Improves Safety and Pro-	70	Civic ResponsibilitySept.	53 37	Air E		
	duction, by S. P. CarterSept. Modern English Coal Preparation Plant,	82	Even Limburger Cheese	17	.Aı	ug. Con	48
В	by B. A. PriceOct. Modern Maintenance Organization, by D. B.	60	In the Interest of Progress Apr. Into High Gear Oct.	27	M	ar.	29
ckground for Exploration in the Colorado	Shupe	43	Keeping the Wheels Turning Jan. Keeping Pace Nov.	17 41		pr.	70
Plateau, by Ralph H. Wilpot	by H. A. CassellAug.	38	Let There Be Light	31 31	ula No	ov.	86
H. A. CorreJan. 18 ind River District and Algom Uranium	Power for Continuous Mining, by J. O. Cree and C. E. McWhorterOct.	49	National Minerals Policy Dec. Run in Circles Aug.	25 37		lay	56
Mines Limited, The, by Earl B. Gillanders	Rail-To-Barge Plant, by L. I. Cothern Apr. Sales of Coal Mine Equipment, by W. H.	88	Signs of Health	45 23			
OOK REVIEWS—	Young and R. L. Anderson Feb. Salvaging Coal From Washery Rejects. by	138	Tax Realism Oct. The Union Shop July	27 33			
Industrial Hygiene Transactions, Bulletin	H. L. BeattieNov.	63	The MountaineerFeb. Through Experience of OthersSept.		Ro	h	
No. 29	Some Roof Bolting Costs, by George W. SallJan.	29	Time is MoneyFeb.	47	M	ау	67
Mining and the Arts Through the AgesSept. 136	Strip Mining in 1955, by S. F. SherwoodFeb.		What is Operations Research?Nov. Whose Profits?June	41	Au	si- ug.	61
Modern Techniques of ExcavationJuly 87	The MountaineerMar.	26	Electric Generation in the Two Decades			he g.	57
Virginia Polytechnic Institute bulletin "A Study of Problems Encountered in Mul-	Trends in Coal Mine Operation, by Ralph E. Kirk	32	Ahead, Sources of Energy, by Philip SpornJune	46	F	Pit	
tiple-Seam Coal Mining in the Eastern United States"July 87	Wilcox Miner, The, by Robert N. Mor-	64	Enoco Mine, Ventilation and Methane Test- ing Procedure at, by John A. Sta-		de	-115	
ritiannia Mine, Powder Blasting at, by Leonard L. AllanOct. 45	Colorado Plateau, Background for Explora- tion In the Colorado Plateau, by Ralph H.		chura		1	H.	
unker Hill and Crescent Mines, Use of Airleg for Long-hole Prospecting at, by E. B.	Wilpolt		Exploration, Development and Mining Cost on the Plateau, by John I. Schumacher,		ar		
Olds and D. C. Long	by Harold B. SpencerJune	64	I. R. Taylor and H. C. Anderson Sept.	108	Oc	of	50

G	Craighead, Samuel JudsonMar. 70	Powtland Coment in 1955 by H A Month Page
Month Page	Doorley, Thomas LOct. 68	Feb. 56
Gold in 1955, by Robert W. Bachelor Feb. 144	Eichelberger, Frank Dec. 76 Esser, George H May 81	
Gold in Relation to Convertibility of Cur-	Felver, Howard CJune 90	Powder Blasting at Britannia Mine, by
Government, Wheels of, by Harry L. Mof-	Findeisen, Arthur H	
fett, Jan. 58, Feb. 150, Mar. 66, Apr. 97, May 78, June 87, July 73, Aug. 85, Sept.	Garvey, Martin L	R
117. Oct. 64. Nov. 120, Dec. 72	Gillies, Donald B	
Geology in Mining, by J. D. Forrester . Feb. 100 Geology of the Hercules Mine, by Garth M.	Hanson, Irven Edwin	Rudio System for Duofite Dlannian - La
CrosbyJune 48	Hayward, Marden W	Railroads and the Coal Industry. The by
Geophysical Prospecting in New Brunswick, by Harold O. Seigel	Head, James Lawrence July 76 Hedges, Joseph H. Mar. 70	Walter W. PatchellAug. 57
Gunnar Uranium Deposit Lake Athabasca,	Hillman, Frank, SrJune 96	Robert I Linney
The, by J. N. BotsfordNov. 66	Holland, William Henry	
	Hunter, Frank A June 90 Hylton, Betram Chesleigh	"Romance" of the Industrial Store, Paul C.
Н	Jackling, Daniel Cowan	Jamieson
Haulage, Automation of Mine, by W. R.	Kerr, John M	July 69
Morton HEALTH AND SAFETY— May 59	Koeppen, Edward Wm	
Domestic Detergents May Quell Future	Lascher, George W Oct. 68  Leith, Dr. Charles K Nov. 123	Roof Bolting Equipment and Practices, by
Mine Fires, by W. J. Weatherby July 60 Mining Safety in 1955, by Arthur Brad-	Markel, Leslie IJune 90	Health & Safety in Block Caving, by F. J.
hory Feb. 122	Moses, Harry Morgan May 81 Murphy, William J Feb. 154	HallerSept. 92
Ventilation and Methane Testing Procedure at Enoco Mine, by John A. Sta-	McCormack, Ralph EJuly 76	
churaJan. 24	McNab, A. J	$\mathbf{S}$
Hercules Mine, Geology of the, by Garth M. CrosbyJune 43	Ott, Melvin Henry	Salt—A Basic Mineral, by Guy Browning
Humboldt Mine, Primary Blast Hole Drilling at, The, by Kenneth C. OlsonApr. 70	Palmer, William J	Arthur July 65 Sheet-Mica Industries, The Diamond and, by
at, The, by Renneth C. Olson	Pickering, John Clark Dec. 76 Pinney, Earl W	W. F. Dietrich, W. H. Waggaman and
1	Playter, Clarence C	W. F. Dietrich, W. H. Waggaman and H. P. Chandler
1	Schott, MaxJan. 61	Silver mining industry in Mexico, The, by
Improved Ingot Design Aug. 83	Sherwood, R. H	Gustavo P. Serrano
Industrial Minerals, by J. L. Gillson Feb. 126 Iron Ore Industry, Review and Outlook . Feb. 62	Snyder, Philip M	C. J. Lewis Dec. 54
	Snyder, Thomas Hubert Jan. 61 Steele, Heath McClung Apr. 102	Some Rock Bolting Costs
K	Trask, Harold VFeb. 154	the Two Decades Ahead, by Philip Sporn
	Trauerman, Carl J	Starting a New Uranium Mill, by Clyde E.
Kerr-Addison, Air Leg Drifting at, by J. R. Ramsell June 50	Ward, Jerry J	Osborn
	Williams, Lambert K Mar. 70	Strip Mines, Haulage Roads for, by Ralph
L	Wolf, William Benton	Suction Head, (Above Vapor Pressure)
	OPEN PIT— Company Mining Versus Contractor Opera-	NPSH = Net Positive, by J. A. Cable Jan. 55
Labor Relations and States' Rights, by Barry Goldwater Dec. 58	tion, by Everett L. Joppa and Joseph	Sulphur, by W. W. Duecker and E. W. Eddy
Lead, by Wallace G. Woolf Feb. 89	W. Wells	System Approach to Two-Way Radio Maint-
Lime Penalty on Uranium Ores, by Paul C. HenshawMar. 24	west Magnesite Co., by J. R. Bram-	enance, by Joseph JatisNov. 118
	merAug. 76 Haulage Equipment and Maintenance, by	
M	Fred Bramer	T
	Richardson	Taconite, Jet Piercing in, by I. H. Rubow
Magnesium, by Jerry SingletonFeb. 142 Maintenance and Care of Tapered Roller	Jet Piercing in Taconite, by I. H. Ru- bow	June 78
Bearings, by Elmer AndersonJuly 62	Maintenance of Strip Mining Equipment,	Tire Breaker
Manganese, Inc., Cyclone Classification and Thickening at, by S. J. McCarrollJuly 50	by R. M. Leseney	Trackless Mining of Trona, by C. A. Romano July 34
MECHANIZED MINING— Auto Trucks Underground, by Gill Mont-	by W. C. M. Butler, Jr	Trends in the Philosophy of Occurrence and
gomery	Feb. 74	Exploration for Uranium, by R. Maurice TrippJuly 56
Experiment in Continuous Mining of Phosphate Rock, by T. E. Howard and F. E.	Planning a Radio System for Profits, by J. G. IvyJan. 45	Trona, Trackless Mining of, by C. A. Romano
BurnetOct. 31	Preventive Maintenance for Mobile Equip-	July 34
Mechanized Mining at Mi Vida, by Virgil Bilyeu Oct. 53	ment, by Gordon EdwardsOct. 56 Primary Blast Hole Drilling at the Hum-	***
Mechanized Mining on the Colorado Pla- teau, by Harold B. Spencer June 64	bolt Mine, by Kenneth C. Olson Apr. 70 Radio Communications in the New Cornelia	$\mathbf{U}$
New Equipment for Underground Mining,	Pit, by John A. Lentz, Jr May 42	Underground Metal Mining Progress, by J.
by Roger V. PierceApr. 59 New Underground Mining at Crestmore, by	Rail Haulage at the Morcenci Open Pit Mine, by W. E. Fenzi and L. Ormsby	Murray Riddell
R. H. Wightman	Nov. 86	by Roger v. Pierce
Mineral Dressing in 1955, by T. M. MorrisFeb. 113	Recent Developments in Drilling and Blast- ing Overburden, by A. E. LammOct. 28	United States Borax & Chemical Corp., A New Look at, by Horace M. Albright
Mi Vida, Mechanized Mining at, by Virgil	Rotary Drilling for Open Pit Blast Holes	Sept. 54
Bilyeu Oct. 53 Molybdenum Feb. 137	by R. W. Whitney Dec. 26 Taconite Operation Reserve Mining Co.,	Uranium Deposit Lake Athabasca, The Gun-
Morenci, Cyclone Classifiers, by J. E. Papin and R. C. Barr	by Robert J. Linney	nar, by J. N. Botsford
Morenci Open Pit Mine, Rail Haulage at, by	Truck Haulage with Large and Small Units.	Osborn May 56
W. E. Fenzi and L. OrmsbyNov. 86 Mountain Con, Changes at, by V. D. O'Leary	by W. C. Spencer	Uranium Mining Industry, WANTED: A Long-Range Policy for the, by Senator
Mar. 29	Program?Dec. 70 Ore Conveyors at the Pend Oreille Mines and	Clinton P. Anderson
	Metals Co., by R. M. Gilbert and A. A.	C. Henshaw
N	BulenOct. 34 Ore Handling and Stocking Facilities at the	Occurrence and Exploration for, by R.
New Cornelia Pit, Radio Communications in	Peterson Mine, by P. F. Torreano Aug. 42	Maurice TrippJuly 56
the, by John A. Lentz, Jr May 42		
Northwest Magnesite Co., Drilling and Blasting Practice at, by J. R. Brammer Aug. 76	P	W
NPSH Net Positive Suction Head (Above		WANTED: A Long-Range Policy for the
Vapor Pressure), by J. A. CableJan. 55	Peterson Mine, Ore Handling and Stocking Facilities at the, by P. F. Torreano Aug. 42	Uranium Mining Industry by Senator Clin-
0	Petroleum Company Takes a Look at	ton P. Anderson
0	Uranium, A, by Gerhard HerzogDec. 63 Phosphate, by G. Donald EmighFeb. 116	H. L. Beattie Nov. 63
OBITUARIES-	Phosphate Rock, An Experiment in Con-	Water Handling and Control at the Deep Ruth, by John C. Kinnear, Jr May 31
Adams, Ralph RDec. 76	Phosphate Rock, An Experiment in Con- tinuous Mining of, by T. E. Howard and	We, the People, by George W. Nilsson Sept. 126
	Phosphate Rock, An Experiment in Con- tinuous Mining of, by T. E. Howard and	Ruth, by John C. Kinnear, Jr May 31 We, the People, by George W. Nilsson . Sept. 126 Wet Rock Dusting, Experiments with by Irving Hartmann and James Westfield Jan. 41

4 .

# Index to Authors

# A Month Page Albright, Horace M., A New Look at United States Borax & Chemical Corp. .... Sept. 54 Allan, Leonard L., Powder Blasting at Britannia Mine .... Oct. 45 Anderson, Senator Clinton P., WANTED: A Long-Range Policy for the Uranium Industry .... Jan. 32 Anderson, Elmer, Maintenance and Care of Tapered Roller Bearings ... July 62 Anderson, H. C., John I. Schumacher and I. R. Taylor Exploration, Development and Mining Cost on the Plateau ... Sept. 108 Anderson, R. L. and W. H. Young, Sales of Coal Mine Equipment .... Feb. 138 Arthur, Guy Browning, Salt—A Basic Mineral July 65

## B

Bachelor, Robert W., Gold in 1955 Feb.	144
Barr, R. C. and J. E. Papin, Cyclone Classi-	
fiers at MorenciAug.	61
Beattie, H. L., Salvaging Coal from Washery	
RejectsNov.	63
Billings, Robert I., Five Years of Continuous	
MiningJune	53
Bilyeu, Virgil, Mechanized Mining at Mi	
VidaOet.	53
Botsford, J. N., The Gunnar Uranium De-	
posit Lake AthabascaNov.	66
Bradbury, Arthur, Mining Safety in 1955	00
Feb.	122
Bradford, C. I., TitaniumFeb.	105
Bramer, Fred, Haulage Equipment and Main-	
tenanceAug.	71
Brammer, J. R., Drilling and Blasting Prac-	
tice at Northwest Magnesite Co Aug.	76
Bulen, A. A. and R. M. Gilbert, Ore Con-	
veyors at the Pend Oreille Mines & Metals	
Co Oct.	34
Bunish, Steve, Why Trailing Cables Fail	
June	61
Burnet, F. E. and T. E. Howard, An Experi-	O.L
ment in Continuous Mining of Phosphate	
	31
RockOct.	01
Butler, Jr., W. C. M., Maintenance of Strip	0.5
Mining EquipmentDec.	37

### •

Cable, J. A., NPSH = Net Positive Suction Head (Above Vapor Pressure) Jan.	55
Carter, S. P., Mine Lighting Improves Safety	6167
and ProductionSept.	82
Cassell, H. A., Pillar Mining Methods of	38
Pocahontas Fuel	0.0
Chandler, H. P., W. F. Dietrich and W. H.	
Waggaman, The Diamond and Sheet-Mica	
IndustriesSept.	111
	69
Choate, R. B., An Unusual Roof Bolt July	9.5
Cornelius, Clinton C., Joanne Coal Prepara-	
tion PlantOct.	38
Corre, H. A., Drilling and Blasting at the	
Bell MineJan.	18
Cothern, L. I., Rail-to-Barge Plant Apr.	88
Crabtree, E. H. and C. J. Lewis, Solvent	
ExtractionDec.	54
Cree, J. O. and C. E. McWhorter. Power for	
Continuous MiningOct.	45
Crosby, Garth M., Geology of the Hercules	
MineJune	43

### D

Dean, Ralph B., Industrial Engineering and	
Cost ControlAug.	50
Dempsey, J. B., G. P. Mahood, A. K. Robert- son, J. H. Sanford and E. M. Thomas, Specifications for Roof Bolting Materials	
July	70
Dietrich, W. F., W. H. Waggaman and H. P. Chandler, The Diamond and Sheet-Mica Industries	111
	111
Donan, John G. and D. H. McFadden, Barge Loading SystemsJuly	52
Duecker, W. W. and E. W. Eddy, Sulphur Feb.	65
Dunn, John and C. O. Wood, Voltage Drop in	
Trailing CablesSept.	105

### F

Eddy,	E.	W.	and	W.	w.	Duecker,		
Edwar	de	Com	lon 1	Prov	ontiv	e Mainten	Feb.	65
						· · · · · · · · · · · ·		56
Emigh	. G	. Do	nald.	Ph	osph	ate	Feb.	116

### F

Fairley, Jr., A. L., Review and Outlook for	
Iron Ore IndustryFeb.	62
Fenzi, W. E. and L. Ormsby, Rail Haulage	
at the Morenci Open Pit mine Nov.	86
Fletcher, Robert and M. E. Prunty, Roof	
Bolting Equipment and Practices Nov.	80
Fletcher, R. J., E. M. Pace and Orval Rob-	
son, Roof Bolting Procedures May	67
Forrester, J. D., Geology in Mining Feb.	100
Fox. Edward G., Anthracite in 1955 Feb.	60

### G

Gaber, Andrew J., The Buckheart Prepara- tion PlantMay	45
Gilbert, R. M. and A. A. Bulen, Ore Conveyors at the Pend Oreille Mines & Metals	
Co Oct. Gillanders, Dr. Earl B., The Blind River District and Algom Uranium Mines Ltd.	34
Apr.	80
Gillson, J. L., Industrial Minerals Feb. Goldwater, Barry, Labor Relations and	126
States' RightsDec. Gooch, John H., Industrial Engineering and	58
Coal MiningDec.	50

### H

Haller, F. J., Safety in Block Caving Sept.	92
Hamlet, Andrew E. and Paul L. Richards, The Corbin, Ky., Cleaning Plant Sept.	9.
Hartmann, Irving and James Westfield, Ex-	294
periments with Wet Rock DustingJan.	41
Henshaw, Paul C., Lime Penalty on Uranium Ores	2.
Herkenhoff, Earl C., Control of Cyclones	
and Cyclone SystemsJan. Herzog, Gerhard, A. Petroleum Company	26
Takes A Look at UraniumDec.	6:
Holland, Charles T., Mineral Content, a	
Factor in Weathering of Mine Roof Jan. Howard, T. E. and F. E. Burnet, An Experi-	49
ment in Continuous Mining of Phosphate	
RockOct.	3
Hyslop, James, The 60-yd ShovelJune	33

### I

		Planning				
Pro	ofits	 		 	Jan.	47
			ī			

Jackson,	Glenn	F.,	The	Kenilwon	th :	Saga	
						Nov.	45
Jamieson,	Paul	C.,	The	'Romance	" of	the	
Industri	al Sto	re				July	39
Jatis, Jos							
							118
Johnson,							
							84
Johnston,	Elmer	E	Silver	in 1955	1	Mar.	49
Jones, Jr							
				8			37
				npany Vie			0.
				Contracto			
				·····			58
cion						AFGET.	00

K	
Kinnear, Jr., John C., Water Handling and	32
Control at the Deep Ruth	70
Kirk, Ralph E., Trends in Coal Mine Opera-	32
tion	52

### T.

Month Pa	nge
Lamb, George A., Bituminous Coal in 1955	
Feb.	48
Lamm, A. E., Recent Developments in Drill-	
ing and Blasting OverburdenOct.	28
Lentz, Jr., John A., Radio Communication	
in the New Cornelia Pit	42
Leseney, R. M., Maintenance of Strip Mining	
Equipment	77
Lewis, C. J. and E. H. Crabtree, Solvent	
Extraction	54
Linney, Robert J., Taconite Operation Re-	
serve Mining Co	58
Lockin, G. W. and E. H. Roberts, Continuous	
Mining in Low CoalDec.	30
Long, D. C. and E. B. Olds, Use of Airleg	
for Long-Hole Prospecting at Bunker Hill	
and Crescent MinesAug.	48

## M

Mahood, G. P., J. B. Dempsey, A. K. Robert- son, J. H. Sanford and E. M. Thomas, Specifications for Roof Bolting Materials	
July	70
Massmann, A. P., Coal Preparation Feb.	98
McCarroll, S. J., Cyclone Classification and	
Thickening at Manganese, IncJuly	50
McFadden, D. H. and John G. Donan, Barge	
Loading SystemsJuly	52
McWhorter, C. E. and J. O. Cree, Power for	
Continuous MiningOct.	49
Meyer, Helena M., CopperFeb.	82
Miller, Earl H., Carlsbad Potash Basin Acti-	
vitiesJune	56
Moe, Richard F., Rotary Drilling Develop-	
ment at White PineAug.	67
Moffett, Harry L., Wheels of Government	
Jan. 58, Feb. 150, Mar. 66, Apr. 97, May	
78. June 87, July 73, Aug. 85, Sept. 117,	
Oct. 64, Nov. 120, Dec.	72
Montgomery, Gill, Auto Trucks Underground	
Nov.	42
Morris, Robert N., The Wilcox Miner Aug.	64
Morris, T. M., Mineral Dressing in 1955. Feb.	
Morton, W. R., Automation of Mine Haul-	200
age May	5.0

### N

Nash, J. I	I., J. L.	Thornton	and S. P.	
Polack, B	lelt Fire F	Protection .	Sept.	99
Nelson, Har	dan W., C	oal Researc	hFeb.	107
Nilsson, Geo	orge W., W	le, the Peop	ole Sept.	126
Nispel, R.	C., Yield	able Steel	Arches for	
Roof Supp	port		July	48

### 

Olds, E. B. and D. C. Long, Use of Airleg for Long-Hole Prospecting at Bunker Hill	
and Crescent MinesAug.	4
O'Leary, V. D., Changes at Mountain Con	
Mar.	2
Olson, Kenneth C., Primary Blast Hole Drill-	
ing at the Humboldt MineApr.	7
Ormsby, L. and W. E. Fenzi, Rail Haulage	
at the Morenci Open Pit Mine Nov.	8
Osborn, Clyde E., Starting a New Uranium	
Mill Man	100

### P

ace, E. M., R. J. Fletcher and Orval Rob- son, Roof Bolting Procedures May	67
Papin, J. E. and R. C. Barr, Cyclone Classi- fiers at Morenci	61
Patchell, Walter W., The Railroads and the	
Coal Industry	57
MiningFeb.	74
Pierce, Roger V., New Equipment for Under- ground Mining	59
Polack, S. P., J. L. Thornton, and J. H. Nash, Belt Fire Protection Sept.	99
Price, B. A., A Modern English Coal Prepara-	
runty, M. E. and Robert Fletcher, Roof	60
Bolting Equipment and Practices Nov.	80

Schumacher, John I., I. R. Taylor and H. C.

56 July

Young.	Howard	Lee.	The	Zine	Industry in	
Young,	W. H. a	nd R.	L. /	Anders	son, Sales of	
Coal	Mine Equ	ipmen	t		Feb.	138

Month Page

Sept. 111

59

nth Page
and
heetsept. 111
atting
Sept. 57
May
July 60
Viewactor
Mar. 59
ExJan. 41
Open
Dec. 26
ining
Dec. 33
ig in
Apr. 66
Feb. 119
loraMay
Apr. 92
Drop
Sept. 105
Feb. 89

ry in Feb. 92 es of Feb. 138